



## SOFTWARE ARCHITECT

### RESPONSIBILITIES :

#### Architectural Design & Planning

- Design high-level system architecture, including modules, services, APIs, databases, and integrations.
- Create architecture diagrams (C4, component diagrams, sequence flows, deployment diagrams).
- Evaluate and document non-functional requirements (performance, scalability, security, availability).
- Select appropriate architecture style (Monolith, Modular Monolith, Microservices, Event-Driven, Distributed Systems).

#### Technology Leadership

- Recommend appropriate technologies, frameworks, and tools based on project needs.
- Ensure architecture follows best practices: SOLID, DRY, Clean Architecture, DDD (optional), and coding standards.
- Guide development teams on architectural decisions and implementation details.

#### System Scalability & Performance

- Design systems for high concurrency, load balancing, and zero-downtime deployments.
- Work with DevOps to plan CI/CD pipelines, containerization (Docker), orchestration (Kubernetes), and monitoring.
- Perform architecture reviews to identify bottlenecks, memory leaks, and performance issues.

#### Security & Compliance

- Apply best practices in application security (OAuth2, JWT, API security, encryption).
- Work with security tools (SAST, DAST, vulnerability scanning).
- Ensure data governance, privacy compliance, and secure system design.

#### Collaboration & Mentoring

- Work with business analysts to understand requirements and convert them into technical specifications.
- Support developers during implementation and perform code reviews.
- Train teams on architectural guidelines and ensure consistency across projects.

#### Documentation

- Maintain architecture documents, decision logs (ADR), and technical guidelines.
- Prepare technical proposals and feasibility analyses.

### REQUIREMENTS :

- 1+ year experience working as a Software Architect.
- Strong experience with system design, including APIs, databases, messaging systems, and integrations.
- Solid knowledge of modern backend technologies (e.g., Java/Spring Boot, .NET, Node.js, Go).
- Experience with cloud platforms (AWS, Azure, GCP) and distributed systems.
- Good understanding of DevOps practices, CI/CD, containers, microservices.
- Strong knowledge of relational and NoSQL databases.
- Experience designing secure applications (OAuth2, JWT, RBAC, encryption).

#### Preferred Skills

- Knowledge of Domain-Driven Design, Event Sourcing, CQRS.
- Experience with high-concurrency, enterprise-grade systems.
- Familiarity with architecture frameworks (TOGAF, Zachman) — not mandatory.
- Experience with Kubernetes, Kafka, Redis, API gateways, and service meshes.
- Strong communication skills and ability to explain technical concepts to non-technical stakeholders.

#### Soft Skills

- Strong analytical and problem-solving mindset.
- Ability to lead and mentor developers.
- Excellent communication and documentation skills.
- Ability to work independently and make well-informed architectural decisions.

## HOW TO APPLY

Please send your resume to [careers@sisara.lk](mailto:careers@sisara.lk) , indicating the position applied for in the subject line